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PTO/\$B/05 (03-01) Approved for use through 10/31/2002. OMB 0651-0032

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UTILITY **PATENT APPLICATION TRANSMITTAL**

NEB-208/9-US Attorney Docket No. George Tzertzinis First Inventor METHODS AND COMPOSITIONS Title RELATING TO GENE SILENCING

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Express Mail Label No. EF195578179US

See MFEP chapter 600 concerning utility patent application contents		tal applications and of the resolution		o man Labor No. =-				
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3. X Specification Crotal Pages 91 Descriptive title of the invention Cross Reterence to Related Applications Cross Reterence to Related Application Cross Reterence to Related Relating Inventor(s) Cross Reterence Related Rela		mall entity status.		8. Nucleotide and/or Amino Acid Sequence Submission			bmission	
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- Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. \[\text{Drawing(s)} (35 U.S.C. 113) \] [Total Sheets \] 25 5. Oath or Declaration a. \[\text{Newly executed (original or copy)} \] b. \[\text{(for continuation of 37 CFR 1.63 (d))} \] b. \[\text{(for continuation of application, 37 CFR 1.63 (d))} \] c. \[\text{Drawing(s)} (35 U.S.C. 113) \] [Total Sheets \] 25 j. \[\text{Drawing(s)} (35 U.S.C. 113) \] [Total Pages \] 3 a. \[\text{Newly executed (original or copy)} \] a. \[\text{Newly executed (original or copy)} \] b. \[\text{(for continuation of a prior application, 37 CFR 1.63 (d))} \] b. \[\text{Drawing(s)} (35 U.S.C. 113) \] [Total Sheets \] 25 j. \[\text{Drawing(s)} (35 U.S.C. 113) \] [Total Pages \] 3 j. \[\text{Drawing(s)} (35 U.S.C. 113) \] [Total Pages \] 3 j. \[\text{Newly executed (original or copy)} \] a. \[\text{Newly executed (original or copy)} \] b. \[\text{(for continuation of a prior application (37 CFR 1.63 (d))} \] b. \[\text{Drawing(s)} (35 U.S.C. 113) \] [Total Sheets \] 18 completed) i. \[\text{Drawing(s)} \text{Outhous prior application (37 CFR 1.63 (d))} \] b. \[\text{Drawing(s)} \text{(for continuation of a prior application, 37 CFR 1.63 (d))} \] c. \[\text{Drawing(s)} \text{(for continuation of a prior application, 37 CFR 1.63 (d))} \] b. \[\text{Drawing(s)} \text{(and submitted application, 36 SPC PR 1.76} \] 6. \[\text{Application Data Sheet under 37 CFR 1.76} \] 16. \[\text{(Drawing)} \text{(prior) prior by columnits} \] 17. \[\text{(Otherwind)} \text{(prior) prior by columnits} \] 18. If a CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application hose of the disclosure of the accompanying continuation or or divisional application and is the reby incorpor	•		b.	Specification Sequence	Listing on:			
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4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 25] 1 11. English Translation Document (if applicable) 5. Oath or Declaration [Total Pages 3] 1 12. Information Disclosure Statement (IDS)/PTO-1449 Citations Statement (IDS)/PTO-1449 Statement (IDS)/PTO-1449 Translation Declaration in Copy form a prior application with Box 18 completed in Copy of priority Document(s) (Should be specifically itemized) (Should be specifically itemized) (Ceptified Copy of Priority Document(s) (Interior priority Doc		Disclosure	10.					
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or its equivalent. Other: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: Prior application Information: Examiner Group Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion application or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion application or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion application or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion application or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion application or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion app	named in the	ne prior application, see 37 CFR	16.	1 10.1				
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X Customer Number or Bar Code Label (Insert Customer No. Of Cer code label here) Name PATENT TRADEMARK OFFICE Harriet M. Strimpel New England Biolabs, Inc. Address 32 Tozer Road City Beverly State MA Zip Code 01915 Country US Telephone 9789275054 Fax 9789271705 Name (Print/Type) Harriet M. Strimpel Registration No. (Attorney/Agent) 37008	The incorporation can only be	relied upon when a portion and been in a	yeriantly omit	ted from the submitted ap	plication pa	rts.		
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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

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Complete if Known				
Application Number				
Filing Date				
First Named Inventor	George Tzertzinis			
Examiner Name				
Art Unit				
Attorney Docket No.	NEB-208/9-US			

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)				
X Check Credit card Money Other None	3. ADDITIONAL FEES				
X Deposit Account:	Large Entity Small Entity				
Deposit	Fee Fee Fee Fee Description Code (\$)	Fee Paid			
Account Number 14-0740	1051 130 2051 65 Surcharge - late filing fee or oath				
Deposit New England Biolabs, Inc.	1052 50 2052 25 Surcharge - late provisional filing fee or cover sheet				
Name The Commissioner is authorized to: (check all that apply)	1053 130 1053 130 Non-English specification				
X Charge fee(s) indicated below	1812 2,520 1812 2,520 For filing a request for ex parte reexamination	on			
Charge any additional fee(s) during the pendency of this application	1804 920* 1804 920* Requesting publication of SIR prior to Examiner action				
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805 1,840* 1805 1,840* Requesting publication of SIR after Examiner action				
	1251 110 2251 55 Extension for reply within first month				
FEE CALCULATION_	1252 410 2252 205 Extension for reply within second month				
1. BASIC FILING FEE Large Entity Small Entity	1253 930 2253 465 Extension for reply within third month				
Fee Fee Fee Fee Description Fee Paid	1254 1,450 2254 725 Extension for reply within fourth month				
1001 750 2001 375 Utility filing fee	1255 1,970 2255 985 Extension for reply within fifth month				
1002 330 2002 165 Design filing fee 375	1401 320 2401 160 Notice of Appeal				
1003 520 2003 260 Plant filing fee	1402 320 2402 160 Filing a brief in support of an appeal				
1004 750 2004 375 Reissue filing fee	1403 280 2403 140 Request for oral hearing				
1005 160 2005 80 Provisional filing fee	1451 1,510 1451 1,510 Petition to institute a public use proceeding				
SUBTOTAL (1) (\$) 375	1452 110 2452 55 Petition to revive - unavoidable				
	1453 1,300 2453 650 Petition to revive - unintentional				
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501 1,300 2501 650 Otility Issue fee (or reissue)				
Extra Claims below Fee Paid Total Claims 53 -20** = 39 x 9 = 279	1502 470 2502 235 Design issue fee				
	1503 630 2503 315 Plant issue fee				
Claims	1460 130 1460 130 Petitions to the Commissioner				
	1807 50 1807 50 Processing fee under 37 CFR 1.17(q)				
Large Entity Small Entity Fee Fee	1806 180 1806 180 Submission of Information Disclosure Stmt				
Code (\$) Code (\$)	8021 40 8021 40 Recording each patent assignment per property (times number of properties)	40.00			
1202 18 2202 9 Claims in excess of 20 1201 84 2201 42 Independent claims in excess of 3	1809 750 2809 375 Filing a submission after final rejection (37 CFR 1.129(a))				
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and over original patent	of a design application				
SUBTOTAL (2) (\$) 713.00	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00				
**or number previously paid, if greater; For Reissues, see above	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40	.00			

SUBMITTED BY

Name (Print/Type) Harriet M. Strimpel Registration No. (Attorney/Agent) 37008

Signature Date 7 802

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Melissa A. Jackson

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Transmittal; fee transittal; 80-page specification 10-pages claims, 1-page abstract, 25-pages drawings, 3-page declaration; recordation of assign. assignment; statement re: sequence listing, sequence listing, disk and a check in the amount of \$1268.00

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